

Free Fall ACTS

Fred throws a ball 30 mph vertically upward. Which of the following statements are true about the ball's velocity and acceleration. (Let up be the positive direction)

On the way up?

A) $v < 0$

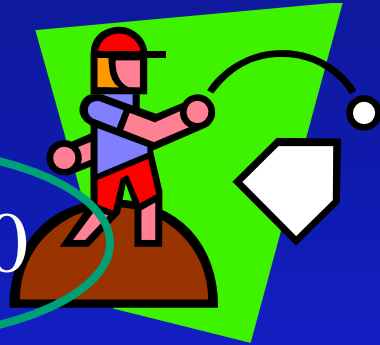
B) $v = 0$

C) $v > 0$

A) $a < 0$

B) $a = 0$

C) $a > 0$



On the way down?

A) $v < 0$

B) $v = 0$

C) $v > 0$

A) $a < 0$

B) $a = 0$

C) $a > 0$